

**CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION**

ORDER No. 92 - 051

WASTE DISCHARGE REQUIREMENTS FOR:

**WINE VALLEY MOBILE ESTATES AND LOS CARNEROS R.V. RESORT, AND
L. PEREZ & SONS,
CARNEROS REGION, NAPA COUNTY**

The California Regional Water Quality Control Board, San Francisco Bay Region (hereinafter called the Board), finds that:

1. Wine Valley Mobile Estates and Los Carneros R.V. Resort (WVME/LCRVR) is a combined residential housing and recreational vehicle park facility. Wine Valley Mobile Estates (WVME) owns and operates the on-site wastewater treatment pond system serving both the residential homes and the recreational vehicle resort facilities.
2. L. Perez & Sons are the owners and operators of a wine-grape vineyard on property adjacent to the WVME property. L. Perez & Sons use reclaimed water from the WVME wastewater pond system for drip irrigation of vineyards.
3. The two properties are located on State Highway 12/121 (aka Old Sonoma Highway), southwest of the City of Napa, and west of Highway 29, in an unincorporated area of Napa County.
4. The owner of WVME/LCRVR, John P. Zopfi, submitted a Report of Waste Discharge, dated June 10, 1991, for updating and reissuance of Waste Discharge Requirements. Additional design information was received May 30, 1991 and September 11, 1991.
5. The Board adopted Waste Discharge Requirements for the WVME wastewater treatment ponds in Order No. 81-64 on December 16, 1981. The Board adopted Water Reclamation Requirements for L. Perez & Sons vineyard irrigation reuses in Order No. 80-62 on December 2, 1980.
6. The wastewater facilities have recently been modified to accomodate the RV Resort facility which is currently under construction. Order No. 81-64 applies to the WVME residential housing, but not to the RV Resort facility. The vineyard irrigation reuse has been incorporated as an integral component of the wastewater system, in order to provide adequate disposal capacity for the WVME and LCRVR facilities.
7. The purpose of this Order is to prescribe updated waste discharge requirements for the WVME/LCRVR wastewater pond system and the L Perez & Sons vineyard irrigation reuse as a consolidated permit. Wine Valley Mobile Estates/Los Carneros R.V. Resort and L.Perez & Sons are hereinafter collectively also referred to as the Discharger.

8. The WVME/LCRVR facility is located on a 18 acre parcel (Napa County APN 47-100-34) at 4048 Old Sonoma Highway (Hwy 12/121), on the north side of the road about 1-3/4 miles west of Highway 29. The site is in the watershed of Carneros Creek which is tributary to the Napa River. The facility's wastewater ponds are located on-site, on a 4-acre section of elevated ground at the north corner of the property.
9. The WVME facility includes 22 residential mobile homes, three single-family dwellings and a small restaurant. These facilities are located on the southern portion of the property, adjacent to Highway 12/121. Wastewater generation for the existing WVME facilities is about 4,900 gallons per day (gpd), or 149,000 gallons per month. The previously permitted wastewater flow limit was 5,000 gpd.
10. The LCRVR facility includes 96 recreational vehicle spaces, a 12,000 square foot, two-story recreational building containing a convenience store, laundromat, beauty parlor, showers, bathrooms, exercise room, food preparation facilities and administrative offices. Recreational facilities include a swimming pool, a spa and areas for picnics and lawn games. Additional facilities include a 60,000 gallon emergency fire supply water storage reservoir, 12 RV storage spaces, and 31 vehicle parking spaces. The LCRVR facilities are located on the northern portion of the property, between the existing WVME area and the wastewater pond area. A twenty-foot landscaped buffer zone is included around the perimeter of the RV park area.
11. Projected wastewater generation rates for the combined WVME/LCRVR facility are:

	<u>May-October</u>	<u>November-April</u>
Daily (gallons per day):	9,400	8,500
Peak Daily Flow (weekends):	9,700	9,700
Monthly (gallons per month):	284,000	258,000
12. The L.Perez & Sons vineyards are located on a 24 acre parcel (Napa County APN 47-100-01) adjacent to and northeast of the WVME property. The property consists of sloping terrain planted with well-established wine grape vineyards. The property includes an irrigation supply well located about 215 feet northeast of the WVME property boundary, and 387 feet along this boundary from Highway 12/121. Vineyard irrigation is by drip emitter system. Irrigation water includes both wastewater pond effluent and water from the irrigation well. The vineyard area is fenced to preclude public access.
13. The wastewater ponds were reconstructed in 1991 to provide additional capacity and to include flow-routing flexibility for pond operations, and pond effluent disinfection prior to reuse. The modified facilities are described below.

14. Wastewater from the WVME/LCRVR facility receives initial treatment in septic tanks, and is then pumped from a wet well to the pond system which consists of three ponds and flow-routing appurtenances. Septic tank effluent enters Pond 1 at the southeast corner through a valved 2-inch pipe above high water level. Septic tank effluent can also be directed to Pond 2 through a valved 2-inch pipe extension to the southeast corner of Pond 2, allowing flexible operation in case pond 1 is taken out of service. Pond 1 is connected to Pond 2 by a valved 4-inch gravity overflow pipe in the dike between the two ponds. Valved 4-inch gravity overflow pipes are provided between Ponds 2 and 3, and between Ponds 1 and 3. Ordinary operation is overflow from Pond 2 to Pond 3. Ponds are operated to maintain a minimum freeboard of two feet. The wastewater pond area is fenced to preclude public access.
15. The ponds have a total surface area of about 77,000 square feet, and a combined storage capacity of about 3.6 million gallons. The physical characteristics of the pond system are tabulated below.

Pond	Total Depth (ft.)	High Water Surface Area		Volume	
		(sq.ft.)	(ac.)	(ac.ft.)	(million gallons)
1	6	12,672	0.29	1.37	0.447
2	11	21,568	0.50	3.49	1.136
3	18	28,880	0.66	6.16	2.009
Total	--	63,120	1.45	12.02	3.592

16. A water balance analysis, based on the wastewater generation rates described in Finding 11 above and a 10-year recurrence interval rainfall record, indicates that the ponds by themselves do not have adequate capacity to store all wastewater inflows and direct precipitation on an annual basis. In combination with the vineyard irrigation reuse as means of pond effluent disposal, the wastewater system as a whole has adequate disposal capacity for the projected wastewater flows.
17. Pond system effluent is withdrawn from Pond 3 at the southeast corner, through a submerged pipe connected to a 25-gallon per minute, five-horsepower pump located on the southeast berm and a 1-1/2 inch effluent line for conveyance to the filtration, disinfection and reuse facilities. Pond effluent is passed through a sand and gravel filter, a disinfectant chemical feed apparatus, residence in a 1000 gallon below-grade tank, prior to distribution to the vineyard irrigation system.
18. Solids removed from the wastewater stream in the septic tanks are removed by a commercial septage pumper, and disposed at an authorized disposal facility.

19. WVME/LCRVR and L. Perez & Sons have developed agreements for use of the vineyard irrigation as a long-term pond effluent disposal component of the wastewater system.
20. WVME is the is the Producer of the reclaimed wastewater, and L. Perez & Sons is the User of the reclaimed wastewater.
21. The Board adopted a revised Water Quality Control Plan for the San Francisco Bay Basin (Basin Plan) in December 1991. The Basin Plan identifies water quality objectives and beneficial uses for surface waters including Carneros Creek, Napa River and its tributaries, and ground water in the Napa Valley area.
22. The beneficial uses identified in the Basin Plan for the Napa River and tributaries, in the project vicinity include:
 - a. Navigation
 - b. Water Contact Recreation
 - c. Non-contact Water Recreation
 - d. Warm and Cold Fresh Water Habitats
 - e. Wildlife Habitat
 - f. Preservation of Rare & Endangered Species
 - g. Fish Migration and Spawning
23. The beneficial uses identified in the Basin Plan for ground water in the Napa Valley area include:
 - a. Municipal Supply
 - b. Industrial Process Water Supply
 - c. Industrial Service Supply
 - d. Agricultural Supply.
24. Section 13523 of the California Water Code provides that a Regional Board, after consultation with and reception of recommendations from the State Department of Health Services, and if it is determined such action to be necessary to protect the public health, safety or welfare, shall prescribe water reclamation requirements for water which is used or proposed to be used as reclaimed water.
25. These water reclamation requirements are in conformance with the statewide water reclamation criteria established by the State Department of Health Services, as prescribed in Title 22, Section 60301 through Section 60355, California Code of Regulations.
26. On October 2, 1990 the Napa County Board of Supervisors approved the LCRVR 96-space recreational vehicle park project with additional wastewater facilities: Napa County Use Permit U-89-20; John P. Zopfi owner; Napa County Assessor's Parcel No. 47-100-34; based on revised general development plan as amended September 27, 1989; and Revised Project Statement dated February 21, 1990.

27. The Napa County Board of Supervisors approved a negative declaration for the project on October 2, 1990, in accordance with the California Environmental Quality Act (CEQA; Public Resources Code section 21000 et seq). The project was approved with mitigation measures. The project as approved, with the identified mitigation measures, was found to not have a significant effect on the environment.
28. The Board has notified the Discharger and interested agencies and persons of its intent to prescribe water reclamation requirements for the discharge and has provided them with an opportunity for a public hearing and an opportunity to submit written views and recommendations.
29. The Board, in a public hearing, heard and considered all comments pertaining to the discharge.

IT IS HEREBY ORDERED, that the Discharger, pursuant to the provisions contained in Division 7 of the California Water Code and regulations adopted thereunder, shall comply with the following:

A. Prohibitions

1. Wastewater discharged to the treatment ponds shall not exceed the generation rates described in Finding 11 of this Order.
2. No wastewater shall be applied to the reuse area when soils are saturated, when conditions are such that runoff or ponding is likely to occur, during rainfall, or when rainfall is expected to occur within 24 hours.
3. The discharge of effluent from the ponds other than to the designated reuse area is prohibited.
4. Neither the treatment nor disposal of wastes shall create a nuisance or pollution as defined in Section 13050(m) of the California Water Code.
5. There shall be no bypass or overflow of waste to waters of the State from the Discharger's wastewater collection, treatment, storage or disposal facilities.
6. Discharge of toxic substances into the ponds which will disturb the normal biological treatment mechanisms of the ponds is prohibited.
7. The discharge of waste shall not degrade the quality of any groundwater used for domestic purposes or cause an increase in any quality parameter that would make groundwater unsuitable for irrigation use.
8. No reclaimed water shall be allowed to escape from the designated reuse area via surface flow or airborne spray.

B. Discharge Specifications

Reclaimed Water Quality

1. The Producer shall assure that the reclaimed wastewater distributed to the reuse area is at all times an adequately oxidized, disinfected wastewater that meets the following quality limits at all times:

In any grab sample:

- a. Five-day Biochemical
Oxidation Demand 40.0 mg/l, maximum;
- b. Suspended Solids 40.0 mg/l, maximum;
- c. Dissolved Oxygen 2.0 mg/l, minimum;
- d. Dissolved Sulfides 0.1 mg/l, maximum;
- e. At any point downstream of the disinfection facilities where adequate disinfectant contact is assured:
 - i. The median number of Total Coliform organisms shall not exceed 23 MPN/100 ml as determined from the results of the last seven days for which analyses have been completed; and
 - ii. The number of Total Coliform organisms shall not exceed 240 MPN/100 ml in any two consecutive samples.

2. The Producer shall discontinue the distribution and User shall discontinue use of reclaimed water during any period when there is reason to believe that the limits specified in B.15. above are not being met. The distribution and use of reclaimed water shall not be resumed until all conditions which caused the limits specified in B.15. to be violated have been corrected.

Wastewater Ponds

3. Pond water within one foot of the surface shall meet the following quality limits at all times:

In any grab sample:

- a. Dissolved Oxygen 2.0 mg/l, minimum
- b. Dissolved Sulfide 0.1 mg/l, maximum
- c. pH 6.0, minimum;
9.0, maximum (*).

(*) Pond water pH may occasionally exceed this value due to natural conditions such as during days with high photosynthetic activity.

4. To prevent the threat of overflows, a minimum freeboard of two (2) feet shall be maintained in the ponds at all times.

5. Public access to the wastewater ponds shall be restricted. The perimeter of the wastewater pond area shall be adequately fenced in order to preclude public access.
6. Warning signs shall be posted around the ponds informing the public that the water contained therein is wastewater which is not safe for drinking or contact. The signs shall be posted at the corners and mid-points of the pond area perimeter. The signs shall be conspicuous and of sufficient size and proper wording to be clearly read.
7. The bottom of the reconstructed ponds shall be lined or compacted so that percolation of wastewater into subsurface soils has a rate of not more than 10^{-6} cm/sec.
8. The ponds shall be adequately protected from erosion, washout, and flooding from a rainfall event having a predicted frequency of once in 100 years.

Reclaimed Water Use

9. The User is responsible for ensuring compliance with the requirements of this Order for all reclaimed water operations and facilities under the User's control. The User's reclaimed water facilities shall be properly operated, maintained and repaired in order to prevent public health hazards, pollution or nuisance conditions.
10. Reclaimed water shall be used only for drip irrigation of wine-grape vineyards.
11. Reclaimed water shall be filtered before use in the drip irrigation system.
12. Use of reclaimed water shall be limited to the reuse area described in Finding 12 of this Order, unless written authorization is obtained from the Executive Officer.
13. Reclaimed water shall not be used as a domestic or animal water supply.
14. Reclaimed water shall be applied to the irrigation area in manner which will prevent public contact or exposure.
15. The User shall provide adequate means of notification to the public and field workers that reclaimed water is being used.
16. Warning signs shall be posted around the perimeter of the reuse area informing the public of the use of reclaimed wastewater which is not safe for drinking or contact. The signs shall be posted at the corners and mid-points of the reuse area perimeter. The signs shall be conspicuous and of sufficient size and proper wording to be clearly read.

17. The perimeter of the vineyard irrigation reuse area shall be adequately fenced in order to restrict public access.
18. Use of reclaimed water shall be managed to prevent ponding or saturated conditions which could provide breeding conditions for mosquitoes or other vectors of public health significance, and to prevent odors or nuisance conditions.
19. Vineyard irrigation shall be suspended at least 15 days prior to harvesting or any other period when large numbers of field workers are present, in order to allow the soils to dry and to prevent workers from contacting reclaimed water.
20. Any grapes which come into contact with reclaimed water shall be removed from the harvestable crop used for wine production.
21. Vineyard drip irrigation system emitters shall be installed close to the ground and in a way that minimizes the possibility of fruit being sprayed with reclaimed water if emitters become plugged, broken or removed. The drip irrigation lines and emitters shall be periodically inspected to ensure proper operation and compliance with this specification.
22. There shall be no irrigation or impoundment of reclaimed water within 100 feet of any well used for domestic supply or irrigation supply, unless it can be demonstrated to the Executive Officer's satisfaction that special circumstances justify lesser distances to be acceptable.

Reclaimed Water System

23. All equipment, including pumps, piping, valves, etc. with public access which may at any time contain reclaimed water shall be adequately and clearly identified with warning signs and the Discharger shall make all necessary provisions, in addition, to inform the public that the liquid contained is reclaimed water which is unfit for human consumption. Use of internationally recognizable symbols and, where appropriate, multilingual wording, is recommended.
24. Use or installation of hose bibs on any reclaimed water system, regardless of hose bib construction or identification, shall not be used or permitted.
25. There shall be at least a ten-foot horizontal and a one-foot vertical separation between all pipelines transporting reclaimed water and those transporting domestic supply water, with domestic water pipes above reclaimed water pipes.
26. There shall be no cross-connection between drinking water supply and piping containing reclaimed water. Supplementing reclaimed water with water used for domestic supply shall only be allowed through an air-gap separation.

C. Provisions

1. The Discharger shall comply with all sections of this Order immediately upon adoption.
2. The Discharger shall comply with the Self-Monitoring Program as adopted by the Board and as may be amended by the Executive Officer.
3. Within 120 days of adoption of this Order, the Producer shall submit to the Board, complete as-built plans of the wastewater pond system, including all physical dimensions and specifications of the ponds and associated equipment; and a complete description of the wastewater pond operation procedures including identification of person(s) responsible for the pond operations.
4. Within 120 days of adoption of this Order, and prior to use of pond effluent for vineyard irrigation, the Discharger shall submit to the Board, complete plans and specifications for the vineyard irrigation facilities, including an accurately scaled map showing locations of property boundaries, fences, irrigated vines, irrigation equipment, wells, and entryways for access to the vineyard area.
5. At least 30 days prior to use of pond effluent for vineyard irrigation, the User shall submit to the Board, subject to Executive Officer approval:
 - a. An Inspection Program plan, for providing routine inspection of the drip irrigation system, and supervision for vineyard harvesting to ensure that reclaimed water does not contact wine-harvest grapes; and
 - b. A Training Program plan, for providing adequate supervision, training and protection of all workers involved in the use of reclaimed water or working in areas where reclaimed water is used.
6. The Discharger may be required by the Executive Officer to provide supplementary aeration in one or more ponds if it is determined that the ponds are not achieving adequate aerobic biological stabilization of the wastewater.
7. The Discharger shall maintain in good working order and operate, as efficiently as possible, any facility or control system installed or as modified to achieve compliance with this Order.
8. All equipment, including pumps, piping, valves, storage ponds etc. which may at any time contain reclaimed water shall be adequately and clearly identified with warning signs and the Discharger shall make all necessary provisions, in addition, to inform the public that the liquid contained is reclaimed wastewater which is unfit for human consumption.

9. In reviewing compliance with Prohibition A.5. and Discharge Specification B.4. of this Order, the Board will take special note of the difficulties encountered in achieving compliance during entire wet seasons having a rainfall recurrence interval of greater than once in ten years.
10. Collected solids removed from liquid wastes, including septic tank solids and sludge accumulated in the treatment ponds, shall be disposed of at a legal point of disposal, and in accordance with the provisions of Chapter 15 of Title 23 of the California Administrative Code. For the purpose of this requirement, a legal point of disposal is defined as one for which waste discharge requirements have been prescribed or waived by a Regional Water Quality Control Board and which is in full compliance therewith.
11. In the event the Discharger is unable to comply with any of the conditions of this Order due to:
 - a. Breakdown of wastewater transport or treatment equipment;
 - b. Accidents caused by human error or negligence; or
 - c. Other causes such as acts of nature,

the Discharger shall:


- i. Notify the Board by telephone as soon as the Discharger or Discharger's agents have knowledge of the event; and
- ii. Submit written notification, within two weeks of the non-compliance event.

The written notification shall include pertinent information explaining reasons for the non-compliance and shall indicate what steps were taken to correct the problem and the dates thereof, and what steps are being taken to prevent the problem from recurring.

12. The Discharger shall permit the Board or its authorized representatives, in accordance with Section 13267(c) of the California Water Code:
 - a. Entry upon premises where a regulated facility or activity is located or conducted, or where records are kept under the conditions of this Order;
 - b. Access to and copy of, at reasonable times, any records that must be kept under the conditions of this Order;
 - c. Inspection, at reasonable times, of any facility, equipment (including monitoring and control equipment), practices, or operations regulated or required under this Order; or
 - d. To photograph, sample or monitor, at reasonable times, for the purpose of assuring compliance with this Order.

13. In the event of any change in control or ownership of land or waste discharge facilities presently owned or controlled by the Discharger, the Discharge shall notify the succeeding owner or operator of the existence of this Order by letter, a copy of which shall be forwarded to this Board.
14. The Discharger shall file with the Board a Report of Waste Discharge at least 180 days before making any material change in the character, location, or volume of the reuse, except for emergency conditions in which case the Board shall be notified.
15. The Board will review this Order periodically and may revise the requirements as necessary to comply with changing State and Federal laws, regulations, policies, or guidelines; changes in this Regional Board's Basin Plan; or changes in the discharge characteristics.
16. After notice and opportunity for a hearing, this Order may be terminated or modified for cause including, but not limited to:
 - a. Violation of any term or condition contained in this Order;
 - b. Obtaining this Order by misrepresentation, or failure to disclose fully all relevant facts;
 - c. A change in any condition that requires either a temporary or permanent reduction or elimination of the authorized reuse; or
 - d. Endangerment to public health or environment that can only be regulated to acceptable levels by Order modification or termination.
17. The waste discharge requirements prescribed by this Order supercede those prescribed by this Board's Order No. 81-64, and Order No. 80-62. Order No. 81-64 and Order No. 80-62 are hereby rescinded.

I, Steven R. Ritchie, Executive Officer, do hereby certify the foregoing is a full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, San Francisco Bay Region on May 20, 1992.


STEVEN R. RITCHIE
Executive Officer

Attachment:
Self-Monitoring Program

[File Nos. 2139.3030 & 2139.3087]
[Originator/BDA] [Reviewer/RJC]

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

SELF-MONITORING PROGRAM

FOR

WINE VALLEY MOBILE ESTATES AND LOS CARNEROS R. V. RESORT, AND

L. PEREZ & SONS,

CARNEROS REGION, NAPA COUNTY

ORDER NO. 92 - 051

SELF-MONITORING PROGRAM

WINE VALLEY MOBILE ESTATES/LOS CARNEROS R.V. RESORT, AND L. PEREZ & SONS

I. GENERAL

Reporting responsibilities of waste dischargers are specified in Sections 13225(a), 13267(b), 13268, 13383, and 13387(b) of the California Water Code and this Regional Board's Resolution No. 73-16.

The principle purposes of a monitoring program by a waste discharger or reclaimed water producer or user, also referred to as a self-monitoring program, are:

- A. To document compliance with waste discharge requirements and prohibitions established by this Regional Board; and
- B. To facilitate self-policing by the waste discharger in the prevention and abatement of pollution arising from waste discharge or water reclamation.

II. SAMPLING AND ANALYTICAL METHODS

Sample collection, storage, and analyses shall be performed according to Code of Federal Regulations Title 40, Section 136 (40 CFR S136), or other methods approved and specified by the Executive Officer of this Regional Board.

Water and waste analyses shall be performed by a laboratory approved for these analyses by the State Department of Health Services (DOHS), or a laboratory waived by the Executive Officer from obtaining a DOHS certification for these analyses.

The director of the laboratory whose name appears on the certification, or his/her laboratory supervisor who is directly responsible for the analytical work performed shall supervise all analytical work including appropriate quality assurance/quality control procedures in his/her laboratory and shall sign all reports of such work submitted to the Regional Board.

All monitoring instruments and equipment shall be properly calibrated and maintained to ensure accuracy of measurements.

III. DEFINITION OF TERMS

A. RESPONSIBLE ENTITIES

1. **Producer:** Wine Valley Mobilie Estates and Los Carneros R.V. Resort is the reclaimed water Producer. The Producer is responsible for the quality of the reclaimed water released for distribution.
2. **User:** L. Perez & Sons is the reclaimed water User. The User is responsible for operation and maintainence of the reclaimed water use facilities, and for controlled use of the reclaimed water for drip irrigation of vineyards.
3. **Discharger:** The Producer and User are collectively also referred to as the Discharger. The Discharger is responsible for compliance with this monitoring program. The Producer is responsible for submittal of the required monitoring reports to the Regional Board.

B. SAMPLES

1. A grab sample is an individual sample collected in a short period of time not exceeding 15 minutes. Grab samples represent only conditions existant at the time of sample collection. Grab samples are used primarily in determining compliance with daily or instantaneous maximum limits.
2. A flow sample is the accurate measurement of the average flow volume over a given period of time, using a properly calibrated and maintained flow measuring device. Flows calculated from properly maintained pump useage records for an accuratley calibrated pump are acceptable.
3. Freeboard is the vertical distance between the water surface and the lowest elevation of the top of the water containment structure (perimeter dike, levee, berm, etc.).

C. STANDARD OBSERVATIONS

1. Wastewater Pond Area

- (a) For each pond, measure and report the freeboard at the lowest elevation point of the perimeter levee.
- (b) Evidence of seepage from the pond (Show affected area on a sketch, and estimate volume lost.)
- (c) Nuisance Odor from pond: If present, indicate apparent cause, characterization, direction of travel, and any public use area or off-site facility affected.
- (d) Warning signs properly posted to inform public that pond contains wastewater which is not safe for drinking or contact.

2. Reclaimed Water Use Areas

- (a) Evidence of reclaimed water escaping the reclaimed water use area through surface runoff or airborne spray (Show affected area on a sketch).
- (b) Nuisance Odor from Use Area: If present, indicate apparent cause, characterization, direction of travel, and any public use area or off-site facility affected.
- (c) Evidence of prolonged ponding of reclaimed water, or of mosquitoes breeding within the use area due to ponding.
- (d) Warning signs properly posted to inform public that water being used for irrigation is reclaimed water which is not safe for drinking or contact.

3. Overflows and Bypasses

- (a) Location of overflow or bypass, and description of any surface water or land area affected (show on map or sketch of area).
- (b) Date and time when overflow or bypass started, and when overflow or bypass ceased.
- (c) Estimated total volume discharged, or flow rate and duration of event.
- (d) Explanation of cause, and corrective actions taken.

IV. DESCRIPTION OF SAMPLING AND OBSERVATION STATIONS

NOTE: A sketch showing locations of all stations described below shall accompany the first monitoring report, and subsequent reports when locations are added or changed, or a violation is reported.

<u>Station</u>	<u>Description</u>
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A. WASTEWATER PONDS [PRODUCER]

1. POND INFLUENT

A-1	At a point in the wastewater system between the septic tank effluent wet well and ponds, at which all waste tributary to the ponds is present.
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2. POND WATER

PW - 1	In each pond, about one foot below the water surface, and no less than two feet from the bank, representative of the pond water.
through	
PW - 3	

3. POND PERIMETER

PP - 1	Points located at the mid-points of the perimeter levees around the pond system.
through	
PP - 4	

B. POND EFFLUENT (RECLAIMED WATER) [PRODUCER]

E-1	In the effluent from the WVME wastewater ponds, representative of the reclaimed water distributed to the reclaimed water use area (NOTE: May be the same as E-1-D).
E-1-D	In the effluent from the WVME wastewater system disinfection facilities, following disinfection.

C. RECLAIMED WATER USE AREA [USER]

UAP - 1	Points located at about 1000 foot intervals around the perimeter of the reclaimed water use area (L. Perez & Sons vineyard).
through	
UAP - 'n'	

D. OVERFLOWS AND BYPASSES [PRODUCER AND USER]

OV - 'n'	Any point in the wastewater system where an overflow or bypass occurs (pipes, pumps, etc.).
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V. SCHEDULE OF SAMPLING, ANALYSES AND OBSERVATIONS

Sampling, analyses and observations shall be conducted according to the schedule given in Table 1 and Table 1 Footnotes (SMP Attachment A).

VI. REPORTS TO BE FILED WITH THE REGIONAL BOARD

A. Self-Monitoring Reports

Written reports shall be filed for each calendar month. Reports shall be submitted to this Regional Board's office no later than the fifteenth day of the following month. Each Self-Monitoring Report shall include the following:

1. Letter of Transmittal, including:

- a. Discharger's name, address, phone number & contact person;
- b. The monitoring period being reported, by month and year;
- c. The name of the responsible Regional Board staff member;
- d. Discussion of all requirement violations found during the monitoring period, including causes and corrective actions taken or planned in order to prevent future violations;
- e. Discussion of any special events pertinent to maintaining compliance with waste discharge requirements, such as equipment repair or replacement, or operational changes;
- f. Signatory statement by the Discharger or authorized agent, under penalty of perjury, that to the best of the signer's knowledge the report is true, accurate and complete.

2. Results of Analyses and Observations, including:

- a. Tabulations of the results from all required sampling and analyses specified in Table 1 and Table 1 Footnotes (SMP Attachment A) by date, time, sample type and station.
- b. Wastewater Pond Report (SMP Attachment B) for each pond which contains wastewater, for each calendar month.
- c. Reclaimed Water User's Report (SMP Attachment C) for each month during which reclaimed water is used.

B. Report of Permit Violation

In the event the Discharger violates, or threatens to violate the conditions of the waste discharge requirements due to:

1. Maintenance work, power failure, or breakdown of wastewater treatment or transport equipment;
2. Accidents caused by human error or negligence; or
3. Other causes such as acts of nature,

the Discharger shall:


- a. Notify the Regional Board office by telephone, as soon as the Discharger, or agent, has knowledge of the event; and

- b. Submit a written report, within two weeks of the event, unless directed otherwise by Regional Board staff.

The written report shall include a description of the event, results of any sampling conducted during the event, an explanation of the reasons for noncompliance, actions taken to correct the problem and the dates thereof, and actions being taken to prevent the problem from recurring.

I, Steven R. Ritchie, Executive Officer, hereby certify that the foregoing Self-Monitoring Program:

1. Has been developed in accordance with the procedure set forth in the Regional Board's Resolution No. 73-16 in order to obtain data and document compliance with waste discharge requirements established in Regional Board Order No. 92-051.
2. Is effective on the date shown below.
3. May be reviewed at any time subsequent to the effective date upon written notice from the Executive Officer or request from the Discharger and revisions will be ordered by the Executive Officer.


STEVEN R. RITCHIE
Executive Officer

Effective Date May 20, 1992

SMP Attachments:

- A. Table 1 - Schedule for Sampling, Analyses and Observations;
and Table 1 Footnotes
- B. Wastewater Pond Report
- C. Reclaimed Water Use Report

[File Nos. 2139.3030 & 2139.3087]
[Originator/BDA]
[Reviewer/RJC]

SMP ATTACHMENT A:
(Order No. 92-051)

TABLE 1
SCHEDULE FOR SAMPLING, ANALYSES AND OBSERVATIONS
(WINE VALLEY MOBILE ESTATES/LOS CARNEROS RV RESORT,
AND L. PEREZ & SONS)

SAMPLING STATIONS	A-1	E-1 (1)	E-1-D (1)	All PW	All PP	All UAP (1)	All OV
Type of Sample ---> Parameter (units)	Flow	G	G	G	O	O	O
Total Monthly Flow (gals)	M	M					
pH (units)				M			
Dissolved Oxygen (mg/l)		M		M			
Dissolved Sulfides (mg/l)		M(2)		M(2)			
BOD (mg/l)		M					
Suspended Solids (mg/l)		M					
Total Coliform (MPN/100 ml)			2/W				
Applicable Standard Observations (3)	E (4)			(4)	2W (4)	2W (5)	E

LEGEND FOR TABLE 1

Type of Sample

Flow = Flow measurement
G = Grab Sample
O = Observations

Sampling Frequency

2/W = Twice per week
2W = Every two weeks
M = Monthly
E = Each event

NOTES:

- (1) Measurements and analyses required only when pond effluent is discharged to the irrigation site.
- (2) Analysis only required when Dissolved Oxygen is below 2.0 mg/l.
- (3) The required observations are defined in SMP Part III.C.
- (4) The Wastewater Pond Report (SMP Attachment B), or equivalent, shall be completed by the Producer for each month. The completed report shall be submitted as part of the required Self-Monitoring Report.
- (5) The Reclaimed Water Use Report (SMP Attachment C), or equivalent, shall be completed by the User for each month when reclaimed water is used for vineyard irrigation. The completed report shall be submitted as part of the required Self-Monitoring Report.

SMP ATTACHMENT B:
(Order No. 92-051)

WASTEWATER POND REPORT

1. Reporting Period (Month/Year): _____
2. Total Monthly Flow, Influent (A-1)(gallons): _____
3. Total Monthly Flow, Effluent (E-1)(gallons): _____
4. Required Observations (as defined in SMP Part III.C.):
[For each inspection, record date, time, pond freeboard, and
'yes' or 'no' for other observations, according to conditions.]

Inspection Date and Time:		
Observation Stations Inspected:		
Freeboard (feet): Pond 1:		
Pond 2:		
Pond 3:		
Evidence of Seepage from Ponds		
Nuisance Odors from Ponds		
Warning Signs Improperly Posted		

5. If any of the above yes/no observations were yes, indicating a violation of waste discharge requirements, a written report shall be submitted as described in SMP Part IV.B.

6. POND WATER ANALYSES

	Date & Time Sampled	pH (units)	Dissolved Oxygen(mg/l)	Dissolved Sulfides(mg/l)
Pond 1				
Pond 2				
Pond 3				

7. POND EFFLUENT ANALYSES

Date & Time Sampled	BOD (mg/l)	Suspended Solids (mg/l)

Total Coliform (MPN/100 ml)										
Date										
Result										

8. I certify that the information in this report, to the best of my knowledge, is true and correct.

Signature of Pond Supervisor

Date

SMP ATTACHMENT C:
(Order No. 92-051)

RECLAIMED WATER USE REPORT

1. Reporting Period (Month/Year): _____
2. Circle dates when irrigation occurred: 1 2 3 4 5 6 7 8 9 10
11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31
3. Total Monthly Flow to Irrigation (gallons): _____
4. Required Standard Observations (As defined in SMP Part III.C.):
[For each inspection, record date, time, and 'yes' or 'no'
for each observation, according to observed conditions.]

Inspection Date and Time:		
Observation Stations Inspected:		
Precipitation w/in 48 hours		
Escape of Reclaimed Water Offsite		
Nuisance Odors from Reuse Site		
Ponding of Reclaimed Water		
Mosquito Breeding		
Warning Signs Improperly Posted		

5. If any of the above yes/no observations were yes, indicating a violation of waste discharge requirements, a written report shall be submitted including the following information:
 - a. Show location of violation on a sketch of the site.
 - b. Explain cause and extent of violation.
 - c. Describe corrective action taken and the dates compliance was achieved and irrigation was resumed.
6. I certify that the information in this report, to the best of my knowledge, is true and correct.

Signature of User Supervisor

Date